

Title (en)

Process for the removal of higher hydrocarbons from natural gas

Title (de)

Verfahren zur Entfernung von höheren Kohlenwasserstoffen aus Erdgas

Title (fr)

Procédé d'élimination d'hydrocarbures plus lourds du gaz naturel

Publication

EP 1302528 A1 20030416 (EN)

Application

EP 02020942 A 20020919

Priority

- DK PA200101492 A 20011010
- DK PA200101633 A 20011103

Abstract (en)

Process for the removal of higher hydrocarbons contained in natural gas further containing sulphur compounds by simultaneous conversion of the hydrocarbons to aromatic compounds and methane in presence of a catalyst comprising a crystalline aluminosilicate having in its anhydrous state a formula expressed in terms of mole ratios as follows: $xQ:0.01 - 0.1 M_2/nO:0-0.08 Z_2O_3:SiO_2:0.0001 - 0.5 Me$, wherein: Q is an organic nitrogen compound; Z is aluminum, boron, gallium or mixtures thereof; x is between 0 and 0.5; M is at least one metal cation of valence n or proton; and Me is at least one of the metals, which form a water insoluble sulphide by contact with a sulphur compound being present in the natural gas and/or in a preparation mixture for preparation of the catalyst.

IPC 1-7

C10L 3/10

IPC 8 full level

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CPC (source: EP US)

C10L 3/10 (2013.01 - EP US); **C10L 3/102** (2013.01 - EP US); **Y10S 585/943** (2013.01 - EP US)

Citation (search report)

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